

## Author Index for Volume 96

BAKSALARY, JERZY K. and HAUKE, JAN: Partial orderings of matrices referring to singular values or eigenvalues, 17

ELLER, JÓZSEF: On functions of companion matrices, 191

HAUKE, JAN: *See* Baksalary, Jerzy K.

HU, HUI: An algorithm for rescaling a matrix positive definite, 131

JAMES, N. S. and LIDL, R.: Permutation polynomials on matrices, 181

KAYKOBAD, M.: On nonnegative factorization of matrices, 27

KLEE, VICTOR: Recursive structure of S-matrices and an  $O(m^3)$  algorithm for recognizing strong sign solvability, 233

KUHN, DIETER and LÖWEN, RAINER: Piecewise affine bijections of  $\mathbb{R}^n$ , and the equation  $Sx^+ - Tx^- = y$ , 109

LIDL, R.: *See* James, N. S.

LIN, WEN-WEI: A new method for computing the closed-loop eigenvalues of a discrete-time algebraic Riccati equation, 157

LÖWEN, RAINER: *See* Kuhn, Dieter

MEEK, D. S.: Comparison of infinity norms of matrix inverses, 149

MIN, ZHANG KE: On Lewin and Vitek's conjecture about the exponent set of primitive matrices, 101

PUYSTJENS, ROLAND: *See* Robinson, Donald W.

ROBINSON, DONALD W. and PUYSTJENS, ROLAND: Generalized inverses of morphisms with kernels, 65

RUDRAIAH, N.: *See* Shivakumar, P. N.

SHALOM, TAMIR: On algebras of Toeplitz matrices, 211

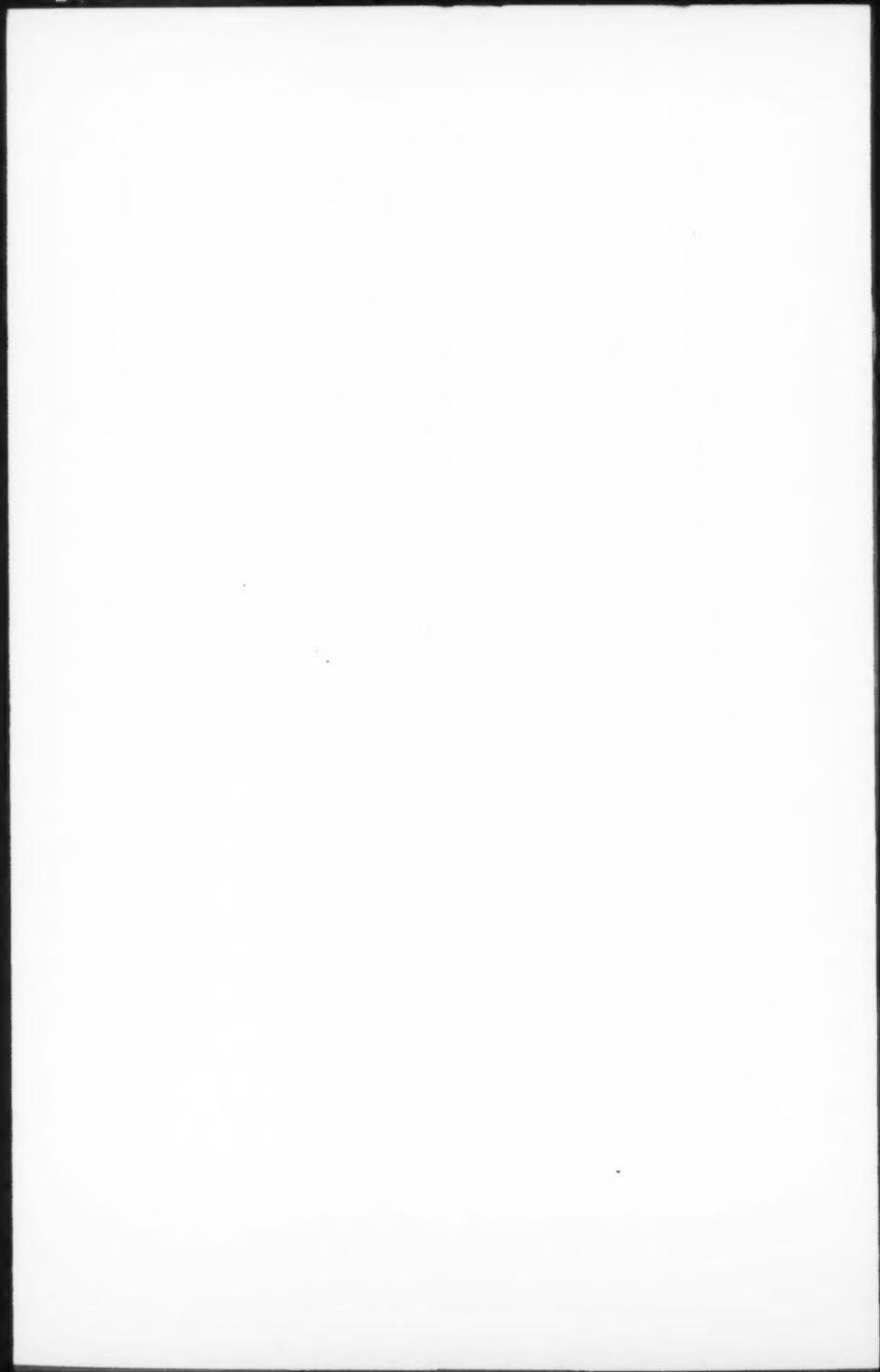
SHIVAKUMAR, P. N., WILLIAMS, J. J., and RUDRAIAH, N.: Eigenvalues for infinite matrices, 35

SILVA, F. CONCEIÇÃO: On the invariant factors of the matrix  $XAY + B$ , 1

VON ZUR GATHEN, JOACHIM: Permanent and determinant, 87

WILLIAMS, J. J.: *See* Shivakumar, P. N.

WU, PEI YUAN: Products of nilpotent matrices, 227



|  |     |
|--|-----|
| F. CONCEIÇÃO SILVA (Lisboa, Portugal)  |     |
| On the invariant factors of the matrix $XAY + B$ . . . . .   | 1   |
| JERZY K. BAKSALARY AND JAN HAUKE (Poznań, Poland)  |     |
| Partial orderings of matrices referring to singular values or eigenvalues . . . . .                            | 17  |
| M. KAYKOBAD (Bedford Park, Australia)  |     |
| On nonnegative factorization of matrices . . . . .   | 27  |
| P. N. SHIVAKUMAR AND J. J. WILLIAMS (Manitoba, Canada) AND N. RUDRAIAH (Bangalore, India)                      |     |
| Eigenvalues for infinite matrices . . . . .  | 35  |
| DONALD W. ROBINSON (Provo, Utah) AND ROLAND PUYSTJENS (Ghent, Belgium)   |     |
| Generalized inverses of morphisms with kernels . . . . .   | 65  |
| JOACHIM VON ZUR GATHEN (Ontario, Canada)   |     |
| Permanent and determinant . . . . .  | 87  |
| ZHANG KE MIN (Nanjing, Republic of China)  |     |
| On Lewin and Vitek's conjecture about the exponent set of primitive matrices . . . . .                         | 101 |
| DIETER KUHN AND RAINER LÖWEN (Tübingen, West Germany)  |     |
| Piecewise affine bijections of $\mathbb{R}^n$ , and the equation $Sx^+ - Tx^- = y$ . . . . .                   | 109 |
| HUI HU (Stanford, California)  |     |
| An algorithm for rescaling a matrix positive definite . . . . .  | 131 |
| D. S. MEEK (Manitoba, Canada)  |     |
| Comparison of infinity norms of matrix inverses . . . . .  | 149 |
| WEN-WEI LIN (Taiwan, Republic of China)  |     |
| A new method for computing the closed-loop eigenvalues of a discrete-time algebraic Riccati equation . . . . . | 157 |
| N. S. JAMES AND R. LIDL (Tasmania, Australia)  |     |
| Permutation polynomials on matrices . . . . .  | 181 |
| JÓZSEF ELLER (Szeged, Hungary)   |     |
| On functions of companion matrices . . . . .   | 191 |
| TAMIR SHALOM (Tel-Aviv, Israel)  |     |
| On algebras of Toeplitz matrices . . . . .   | 211 |

|  |     |
|--|-----|
| PEI YUAN WU (Taiwan, Republic of China)  |     |
| Products of nilpotent matrices . . . . .   | 227 |
| VICTOR KLEE (Seattle, Washington)  |     |
| Recursive structure of <i>S</i> -matrices and an $O(m^2)$ algorithm for<br>recognizing strong sign solvability . . . . . | 233 |
| AUTHOR INDEX . . . . .   | 249 |

